Release A EDF Software Development Environment Baseline
2/14/96

Function	Product Name/ Vendor/ Features	Platforms Supported by Vendor	Vendor's Revision Level	Comments
Operating Systems	Solaris	Sun	2.4	tokyo is Solaris compile platform
	Sun OS	Sun	4.1.3	venus is Sun OS compile platform
	HP-UX	HP	9.05 for w/s 10.0 for servers	york is HP compile platform
	Digtal UNIX (formerly OSF/1)	DEC	3.0/3.2 (FOS)	boston is DEC compile platform
	SGI IRIX	SGI 32 bit SGI 64 bit	5.3 (32 bit) 6.1 (64 bit)	lucy is IRIX 5.3 compile platform Mini-DAAC has 64 bit SGI mac
	AIX	IBM	3.2.5	ricky is compute/compile platfor
General Suite of Development Tools	SPARCworks Debugger Runtime Error Checker Analyzer Source Browser FileMerge Make Tool	Sun Solaris Sun OS	3.0.1	
	SoftBench Static Analyzer Performance Analyzer Debugger (DDE)	HP-UX	4.0	
	DEC FUSE Builder (Moitif I/F to make) Debugger (Motif I/F) Editors (Motif I/F)	DEC	2.0 (might change when OS goes to 3.2)	8 licenses on boston; other DECs at ~1
	ProDev WorkShop (previously CaseVision or MegaDev) Debugger Build Analyzer Performance Analyzer Tester (code coverage analysis)	SGI IRIX 5.3 SGI IRIX 6.1	2.4 (for 5.3) 2.5.1 (for 6.1)	licenses off lucy
	PowerBench	IBM AIX	2.0	licenses off ricky
C++ Compilers	SPARCompiler C++	Sun	4.0.1="name" 3.0.1="version"	native C++ compiler
	C++ SoftBench License C Developer's bundle (w/C,X,Motif) C++	HP	3.50	upgrading to revision 4.0
	DEC FUSE C++ support C++ Class Browser DEC C++ C++ Compiler DEC C compiler Name demangler Incrementsal Linker DEC C++ class library DEC OSF/1 C Developers Extensions (see C compiler section below)	DEC	1.47	- native C++ compiler supportin templates and exception handlir - possible change to rev level wl upgarde to O/S 3.2

	Delta C++ compiler	SGI IRIX 5.3 SGI IRIX 6.1	4.0 (for 5.3) 6.1 (for 6.1)	native C++ compiler
	C Set ++	IBM		native C++ compiler supporting templates and exception handlin integrated with CDE
C Compilers	SPARCompiler C	Sun	3.0.1	ANSI and K&R
	HP-UX bundled C compiler is K&R only Purchased C compiler is ANSI and K&R	HP	9.077	

	DEC OSF/1 C Developers Extensions
	    C compiler
	    assembler
	    decladebug and dbx
	    SCCS,RCS,prof,imake,etc
		DEC	3.0	possible change to rev level whe
				upgarde to O/S 3.2

	C	SGI IRIX 5.3 SGI IRIX 6.1	3.19 (for 5.3) 6.1 (for 6.1)	
	C	IBM	3.2.5	
FORTRAN 77	SPARCompiler FORTRAN	Sun	3.0.1	CCR 95-567 said to move the 2 licenses now on newsroom to ve (both are Sun OS machines)
		SGI IRIX 6.1	6.1	
FORTRAN 90	from Numerical Algorithms Group (NAG)	Sun	2.1 (NAG)	now on newsroom, CCR 95-567 to move to venus
		SGI IRIX 5.3	2.1 (NAG)	
	from SGI	SGI IRIX 6.1	6.1 (SGI)	
Ada	SPARCompiler Ada (from Sun)	Sun	2.1	now on newsroom, CCR 95-567 to move to venus
	from SGI/Rational	SGI	6.2.3	
On-Line Documentation Viewer	Answer Book	SUN		% answerbook X-terms need Display PostScrip
	HP Laserom	HP		not loaded
	BookReader	DEC		% /usr/bin/X11/dxbook
	Insight	SGI		% /usr/sbin/insight
	InfoExplorer	IBM		available on "bluejay"
Multithreaded Debugger	iMPact	SUN	2.0	11/95: awaiting consent to buy enhances normal debugger
	DDE debugger	HP		in Softbench 4, CLI support in D in SoftBench 5, GUI support in I
	ladebug	DEC		only CLI commands to ladebug
	debugger	SGI		supported in ProDev/C++ bundle
	n/a	IBM		no date for support
Windows Emulation for DOS Applications on UNIX	SoftWindows	Sun	1.0	- used on developer Sun worksta - (DAACs will use Sun's Wabi w MS Windows and MS Office)
GUI Development	BuilderXcessory (Integrated Computer Solutions - (ICS))	Sun OS Solaris HPUX 9.x DEC SGI Irix	3.5.1	Motif GUI Builder from ICS, Include 3.5.1 Level 5 patch for E 3.5.1 Level 9 patch for code generator.
	GraphPak	same	1.0	

	EPak	same	2.5	Additional widgets for BX, Include patch to make TabStack Widget work with threads.
Motif Developers	from Sun	Sun Solaris	1.2.2	Motif 1.2.2 (no plans to update t go to CDE after this version)
Toolkit	from Integrated Computer Solutions (ICS)	Sun OS	1.2.4	Motif 1.2.4
Common Desktop Environment	CDE	Sun	1.0	Contains Motif 1.2.4 This should be bundled with OS releases soon.
C++ Class Libraries	Rogue Wave Tools.h++	compile source	6.1	50 user site license upgraded to ***Stay away from 6.04 version is bundled with SPARCworks **
	Rogue Wave Tools.h++ Pro	compile source	6.1	
	Rogue Wave DBTools.h++	compile source	1.1.0	20 single user upgraded to 50 sit *** Compiled with Sybase ***
	Hughes Class Libraries (HCL)	?		?
	Doug Young's Libraries for Motif/C++		1995	
High Fidelity Memory Leak Detector	Purify (from Pure Software)	Solaris	3.0.1	- Rev 3.2 due 11/95
		SunOS	3.0.1	- No support for DEC or IBM
		HP-UX 9	3.0.1	- Rev 3.2 supports HP-UX 9 and
		SGI IRIX 5.3	3.1	
Code Coverage Analysis	PureCoverage (from Pure Software)	Sun OS Solaris HP-UX	1.0.1	- Rev 1.2 due 11/95 - No support date SGI, DEC or I - Rev 1.2 supports HP-UX 9 & 1
Requirements Tracing	Requirements and Traceability Management (RTM) - (from Marconi)		2.3.3	
Object Oriented Design Tool	Software Through Pictures/Object Modeling Technique (StP/OMT) -(from Interactive Development Environments (IDE)) StP/OMT Product Sets:			
	StP Core Query & Reporting Object Management Administration RDBMS		1.3	- New revision 2.0 of the Core product will only be released on first - 11/95: Eileen Fox says IDE wi provide Core 1.2.1 support for HF 10 soon
	OMT		2.0.0.1	
	Class Capture (for reverse engineering)		2.0	
Configuration Management	ClearCase (from Atria)	Most UNIX	2.01 and 2.02	- Expect to have all platforms in same at rev 2.1 upgrade. - Runs here on triton and boston. Soon krypton will replace bostor
	XRP II UNIFY Relational Database (for XRP II)	Solaris 2.4 Solaris 2.4	3.0 UNI5.0.7.2.0	
Source Code Reformatter	*Being considered, but no current product*			To format code to meet coding standards and adhere to one styl

Naming Convention Checker	*Being considered, but no current product*			To enforce ECS naming standar
Dependency Checker	*Being considered, but no current product*			To report on what other libraries executables will be affected by build, and notify affected partie email.. See note under Makefile genera
Automatic Makefile Generator	*Being considered, but no current product*			This (and the dependency chec cannot be used unless the direct structure chosen is consistent ac development, test and maintena environments. That must come f
Distributed Defect Tracking System	DDTS (from Pure Software)	Sun OS Solaris HP-UX DEC SGI IRIX 5.3 IBM	3.1.12	After consent for Purify, Pure Coverage and DDTS is complet (~11/95) all three products will site licensed for unlimited use (at DAACs)
Code Complexity Checker	Battlemap Analysis Tool (BAT) (from McCabe & Associates)	Sun OS Solaris HP DEC SGI IBM	5.0 (see comment)	- Used to generate metrics on cc complexity. - 11/95 Current eval s/w is rev 4. After consent to buy comes from GSFC, we expect to receive ver 5.0
Testing Software	XRunner (from Mercury Interactive)		3.0e & 3.0f	15 users can capture X sessions
	LoadRunner		1.6	1 user can simulate 50 X sessior
Network Modeling Tool	BONeS - (from Alta Group of Cadence Design, SPSI is local agent)		2.6	11/95: Version 3.1 being tested l
Object Oriented DCE		HP	1.5.1	
	OODCE (from Hewlett Packard)	Sun Solaris	1.5.1	
		SGI		Not available yet
		DEC		Expected by 3/96
DCE Application Development Toolkit	from Transarc	Sun	1.0.3a	- on csms2, osprey, seagull, her fire, searider
	from HP	HP	1.2.1	- on baltic, catfish, london, york edfbb, cyclops, epserver
	from DEC	DEC	1.3	- on mustang, caspian, csms1, b
	from SGI	SGI	1.02	- on lucy
	from IBM	IBM	1.3 (& 1.2)	
DCE Client and Server Software	from Transarc	Sun	1.0.3a	corresponds to OSF rev 1.0.3a
	from HP	HP	1.2.1	corresponds to OSF rev 1.0.3a
	from DEC	DEC	1.3	corresponds to OSF rev 1.0.3a
	from SGI	SGI	1.02	corresponds to OSF rev 1.0.2
	from IBM	IBM	1.3 (& 1.2)	1.3 corresponds to OSF rev 1.0.3

RDBMS	Sybase 1) Sybase SQL server 2) Open Client/C 3) Embedded SQL/C 4) SA Companion 5) SQL Monitor 6) Open Gateways 7) Replication Server 8) SQR Workbench 9) SQS	Sun OS Solaris HP-UX DEC SGI IBM	10.01	Current version is 10.02 AutoSys requires 10.1 of Sybase
ER Based Database Modeling Tool	S-Designor (from PowerSoft)	PC Windows	4.2.0	DOS based, but will work under SoftWindows emulation on Sun
Document Generation	FrameMaker	PC	5.0	
		MAC	5.0	
		SUN	5.0	has proprietary license manager
SNMP Agent	Peer	All	1.7	Extensible SNMP agent kit (cor
HTTP Server	NCSA HTTPD (freeware)		1.4.2	used on EP6
	CERN HTTPD		3.0	used in Release A Ingest
Processing COTS	AutoSys AutoXpert		3.2 1.0	Requires Sybase 10.01
Internet Browsers	NetScape NCSA Mosaic		1.12 2.7b1	Current Beta Release